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SEQUENCE LISTING

<110> Japan Science and Technology Agency

<120> Mouse Deficient In Glutamate Transporter GLAST Function

<130> G05-0071

<150> JP2003-114793

<151> 2003-04-18

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<212> DNA

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<213> Mouse

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5

10

15

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20

25

30

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Val Gln Ser Leu Thr Lys Glu Asp Val Lys Ser Tyr Leu Phe Arg Asn

35

40

45

Ala Phe Val Leu Leu Thr Val Thr Ala Val Ile Val Gly Thr Ile Leu

50

55

60

Gly Phe Ala Leu Arg Pro Tyr Lys Met Ser Tyr Arg Glu Val Lys Tyr

65

70

75

80

Phe Ser Phe Pro Gly Glu Leu Leu Met Arg Met Leu Gln Met Leu Val

85

90

95

Leu Pro Leu Ile Ile Ser Ser Leu Val Thr Gly Met Ala Ala Leu Asp

100

105

110

Ser Lys Ala Ser Gly Lys Met Gly Met Arg Ala Val Val Tyr Tyr Met

115

120

125

Thr Thr Thr Ile Ile Ala Val Val Ile Gly Ile Ile Ile Val Ile Ile

130

135

140

Ile His Pro Gly Lys Gly Thr Lys Glu Asn Met Tyr Arg Glu Gly Lys

145

150

155

160

Ile Val Gln Val Thr Ala Ala Asp Ala Phe Leu Asp Leu Ile Arg Asn

165

170

175

Met Phe Pro Pro Asn Leu Val Glu Ala Cys Phe Lys Gln Phe Lys Thr

180

185

190

Ser Tyr Glu Lys Arg Ser Phe Lys Val Pro Ile Gln Ser Asn Glu Thr

195

200

205

Leu Leu Gly Ala Val Ile Asn Asn Val Ser Glu Ala Met Glu Thr Leu

210

215

220

Thr Arg Ile Arg Glu Glu Met Val Pro Val Pro Gly Ser Val Asn Gly

225

230

235

240

Val Asn Ala Leu Gly Leu Val Val Phe Ser Met Cys Phe Gly Phe Val

245

250

255

Ile Gly Asn Met Lys Glu Gln Gly Gln Ala Leu Arg Glu Phe Phe Asp

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Ala Pro Leu Gly Ile Leu Phe Leu Ile Ala Gly Lys Ile Val Glu Met		
290	295	300
Glu Asp Met Gly Val Ile Gly Gly Gln Leu Ala Met Tyr Thr Val Thr		
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Val Ile Val Gly Leu Leu Ile His Ala Val Ile Val Leu Pro Leu Leu		
325	330	335
Tyr Phe Leu Val Thr Arg Lys Asn Pro Trp Val Phe Ile Gly Gly Leu		
340	345	350
Leu Gln Ala Leu Ile Thr Ala Leu Gly Thr Ser Ser Ser Ser Ala Thr		
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Leu Pro Ile Thr Phe Lys Cys Leu Glu Glu Asn Asn Gly Val Asp Lys		
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Arg Ile Thr Arg Phe Val Leu Pro Val Gly Ala Thr Ile Asn Met Asp		
385	390	395
Gly Thr Ala Leu Tyr Glu Ala Leu Ala Ala Ile Phe Ile Ala Gln Val		
405	410	415
Asn Asn Phe Asp Leu Asn Phe Gly Gln Ile Ile Thr Ile Ser Ile Thr		
420	425	430
Ala Thr Ala Ala Ser Ile Gly Ala Ala Gly Ile Pro Gln Ala Gly Leu		
435	440	445
Val Thr Met Val Ile Val Leu Thr Ser Val Gly Leu Pro Thr Asp Asp		
450	455	460
Ile Thr Leu Ile Ile Ala Val Asp Trp Phe Leu Asp Arg Leu Arg Thr		
465	470	475
Thr Thr Asn Val Leu Gly Asp Ser Leu Gly Ala Gly Ile Val Glu His		
485	490	495

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Leu Ser Arg His Glu Leu Lys Asn Arg Asp Val Glu Met Gly Asn Ser

500

505

510

Val Ile Glu Glu Asn Glu Met Lys Lys Pro Tyr Gln Leu Ile Ala Gln

515

520

525

Asp Asn Glu Pro Glu Lys Pro Val Ala Asp Ser Glu Thr Lys Met

530

535

540

543